Acer MP120

User's Manual

Ver 1.0

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I Safety Declaration

1. Please carefully and thoroughly read this safety guide
2. Please keep this manual secure for future reference.
3. Please keep the unit dry
4. Please avoid exposing this unit to sunlight.
5. Don't pour any liquid into this unit; otherwise it will cause damage or electric shock.
6. Please contact with a professional for handling this: MP120 Player if the following situations occur:
   - Liquid penetrates into this unit
   - The unit is affected by damp
   - The operation of this unit is not normal, or the user can't return to normal operational status by consulting this manual
   - The unit is dropped or is damaged
7. Please don't use MP120 Player in the following situations:
   - While driving a vehicle
   - Carrying out dangerous work
   - Walking on the street
   - Any situation that needs full concentration
8. If you want to format the disk of MP120 Player, please select FAT to format it.
9. Please don't use liquid or spraying agent to clean this unit. Please use soft, wet cloth to wipe this unit.
10. During listening with earphones, please adjust to suitable volume to avoid hearing from being damaged.
11. Note: Improper use of battery may cause explosion! Please correctly use the battery as per instruction stated in Section: Battery!
12. Don't throw used battery into the waste bin, it should be recycled.

II Product Description

Thank you for purchasing this Acer MP120 product. This product shows the main menu, sub-menus, song names, lyrics and ID3 information. Its perfect sound quality, high reliability and elegant appearance all work together to make it a masterpiece. We sincerely hope that this product will bring you the best experience you can expect in this digital era.

1. Main Features

- **Display** – STN LCD display, with 7 colorful backlight
- **Audio play** – Supports a broad range of music formats, including MP1, MP2, MP3, WMA, and WAV, as well as WMDR10 WMA files
- **FM radio stereo** – Powerful automatic and manual channels searching (optional)
- **Driver-free U-disk**–Without any management program needed, you can perform file operations through "Removable Disk" in "My Computer". No driver is required on Windows 2000 and higher.
- **Record/Repeat**–This unit allows you to record external audio sources through the microphone and save them as audio files of WAV and ACT formats. In addition, you can select segment repeat or comparison repeat to enjoy real digital repeat.
- **7 EQ modes**–Natural, rock, pop, classic, soft, jazz, and DBB
- **Multiple playing modes**–Normal, repeat one, folder, repeat folder, repeat all, random, and Intro
- **Timed shutdown**–You can set the sleep mode and power saving mode for more convenient use.
- **Full animation menu**–Intuitive animation menu, together with corresponding texts, offers greatest ease of use!

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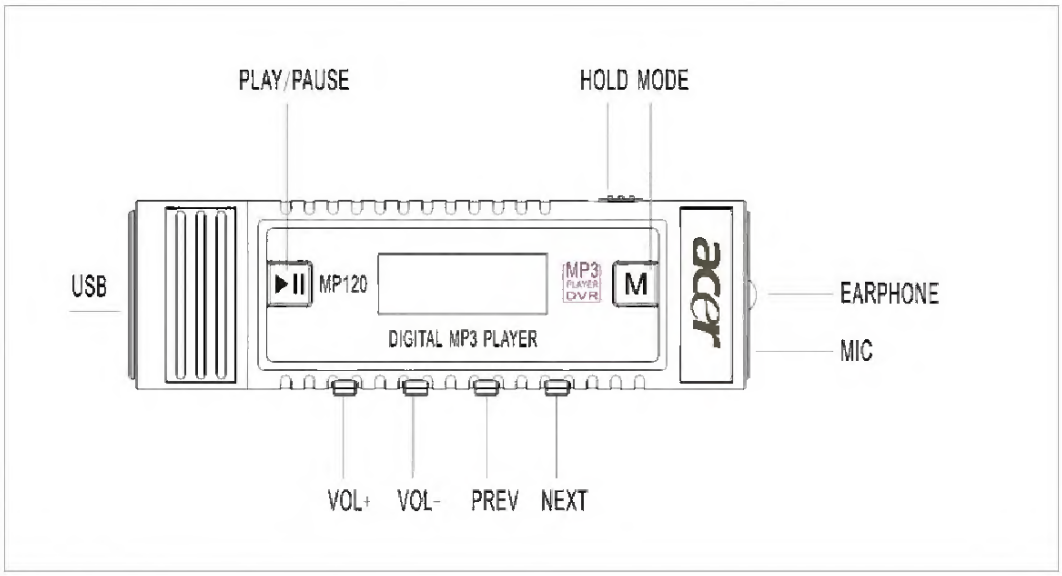
- **Multi-Languages**–Supports many languages, including simplified Chinese, traditional Chinese, English, French, German, Italian, Dutch and Spanish

2. Button Location



2.1 Main Menu

2.2 Keys, Switch and Ports

This player provides six keys and one switch:

- PLAY/PAUSE key: Allows you to power-on (long pressing), play, pause, stop, and power-off (long pressing)
- PREV key: Allows you to select the previous song (short pressing) or move fast forward (long pressing).
- NEXT key: Allows you to select the next song (short pressing) or move fast backward (long pressing).
- VOL+ key: Allows you to increase the volume.
- VOL- key: Allows you to decrease the volume.
- MODE key: Allows you to change the mode.
- HOLD switch: Allows you to lock the keys.

Note: You can short press, long press or hold a key, where:

① Short press: You press the key and release it in less than two seconds.
② Long press: You press the key and release in more than two seconds.
③ Hold: You press the key and do not release it until the desired effect is achieved.

2.3 PORT

- USB: Standard USB port
- EARPHONE: Standard earphone jack

2.4 Recording

- Mic: input

3. Packaging / Accessories

Please confirm the packaging and accessories have the contents below:

✓ Acer MP120 Player

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- ✓ Environment Friendly Card
- ✓ Installation CD
- ✓ AAA LR03 Battery
- ✓ QSG
- ✓ FM Earphone

4 . Installation of USB Drive

The installation is only needed for windows98 and windows 98 se computers. The steps are as follows:

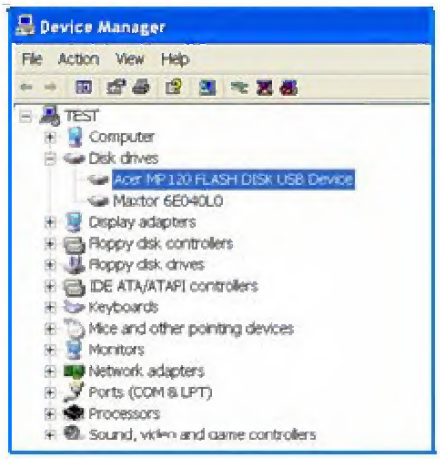
Insert the accessory CD into the CD drive and it will work automatically. The interface shows as follows.

Click <Install>, and finish the installation of the drive with clues. The restart of the computer is needed afterward.

Confirmation of the installation of USB drive

Connect MP120 by the USB cable to the computer

Choose "Control Panel","Syetem", and enter "Device Manager", it will show as follows;



Choose "Disk drives" and the installed USB drive will display

Attention: if it doesn't show as upward, then please uninstall your USB drive and reinstall it.

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5. USB Connection and Safe Removal

5.1.1 When the MP3 Player is connected to computer, the LCD will show the following picture:

And when the MP3 Player is writing & reading data, the LCD will show the following graphic:

You should not disconnect the MP3 Player from the PC while it's reading or writing, or else it will cause your data lost.

5.1.2 Safe Removal of USB from Your Computer

1) Select the Plug-n-Play Device icon from the Windows Taskbar, right-click on it, and select **Safely Remove Hardware**.

2) Select the hardware device you want to stop, and click on the **Stop** button.
3) Select the drive you want to stop and click **OK**.
4) Click **Close** to complete this process.

Caution: Failing to disconnect this product from your computer by the standard procedure may damage this product.

III Functions

1. Basic Operations

1.1 Turning On/Off

Press "Power on/Play/pause/Stop/Power off "(▶II) button 2-3sec to turn on.
Press "Power on/Play/pause/Stop/Power off" (▶II) button 3-5sec to turn off while playing.
In the standby mode, the player will shut down automatically when the machine is not being operated for 30 seconds.

1.2 Function Selection

In the main menu, you can navigate through various modes by short pressing of the NEXT or PREV key. Then, you can short press the MODE key to access the selected mode, after which the appropriate contents appear on the display.

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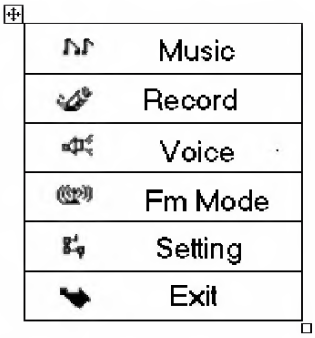
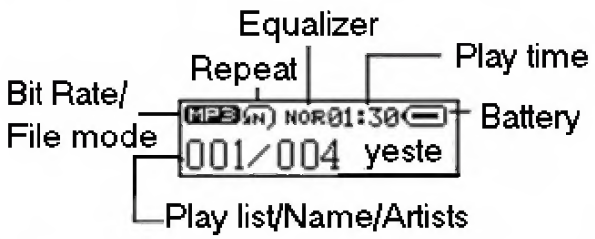


2. MUSIC Mode

In the MUSIC mode, the system can play MP3 files and WMA files, with synchronous lyrics.

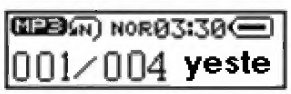
2.1 Interface Description



2.2 MUSIC Playing Status

2.2.1 Basic Function

In the MUSIC standby status, you can press the PLAY key to start playing music, as shown in the following diagram:

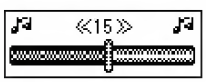


In the MUSIC playing status:

- Short pressing the PLAY key pauses the playing of the music.
- Long pressing the PLAY key stops the playing of the music.
- Holding the NEXT or PREV key moves fast forward or backward in the current song to select a music segment. Short pressing the NEXT or PREV key moves fast forward or backward to another song. In the standby status, a short pressing moves to the next or previous song.
- Short pressing the MODE key accesses MUSIC setup.
- Short pressing the VOL key accesses the volume control interface.

2.2.2 Volume Control

After you access volume setup in the MUSIC playing status, you can short press the VOL+ or VOL- key to access the volume control options. When you change the volume, the volume icon changes accordingly.



2.3 MUSIC Setup

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When the unit is playing music, you can access MUSIC setup by short pressing the MODE key.

	Repeat
	Equalizer
	Tempo rate
A B	Replay
123	Replay times
	Replay gap
	Exit

2.3.1 Repeat Mode Setup

In the MUSIC playing status, access Repeat mode setup and short press the NEXT or PREV key to select the repeat mode you want, and then short press the ENTER key to confirm. There are the following options: Normal, Repeat One, Folder, Repeat Folder, Repeat All, Random and Intro.

	Normal
	Repeat One
	Folder
	Repeat Folder
	Repeat All
R	Random
I	Intro

Normal: After the songs in the current folder have all been played, the player will continue to play those in the next holder, and continue like this until all the songs in all the folders are finished.
Repeat One: Play an individual song repeatedly.
Folder: Play all the songs in the selected folder.
Repeat Folder: Play all the songs in the selected folder repeatedly.
Repeat All: Play all songs repeatedly.
Random: Play all songs in the current folder in a random order.
Intro: Play the first 10 seconds of all songs in the current folder in order.

2.3.2 Sound Effect Setup

In the MUSIC playing status, access EQ setup, and press the NEXT or PREV key to select the EQ effect. Press ENTER to confirm your selection. There are the following options: NOR (natural), ROCK, POP, CLAS (CLASSIC), SOFT, JAZZ, and DBB, as shown in the following diagram:

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	Natural
ROCK	Rock
	Pop
CLAS	Classic
	Soft
	Jazz
	DBB

2.3.3 A-B Mode

In the MUSIC status, select A-B mode. "A" starts flashing. Press **NEXT** to mark the beginning of the range to be repeated. "A" stops flashing, while "B" starts flashing. Press the **NEXT** key again to mark the end of the range. Now, the A-B range will be repeated. If you press the **NEXT** key for a third time, you go to Comparison/Following. Pressing the **MODE** key completes the selection process and returns to the normal playing status.

2.3.4 Repeat

When the unit is playing a MP3 song, you can access the A-B Repeat status and then press the NEXT key to access the Repeat status. Now, you can short press the MODE key to return to the normal playing status. If you short press the NEXT key, you return to the A-B Repeat status.

2.3.5 Setting Repeat Times

For the specific procedure, see Sound Effect Setup.
Repeat times determine how many times the A-B range will be repeated.

2.3.6 Setting Repeat Interval

For the specific procedure, see Sound Effect Setup.
Repeat interval is the interval in seconds between two adjacent repetitions.

2.4 MUSIC Pause Status

The MUSIC pause status is shown in the following diagram:

Now:
Short pressing the PLAY key resumes the playing of the music.
Long pressing the PLAY key stops the playing of the music.
Holding the PLAY key accesses the power-off energy-saving status.
Short pressing the VOL key accesses the volume control interface.
Pressing the NEXT/PREV key selects the next/previous song.
Long pressing the NEXT/PREV key navigates through the files forward/backward.
Short pressing the MODE key accesses the MUSIC folder setup interface.

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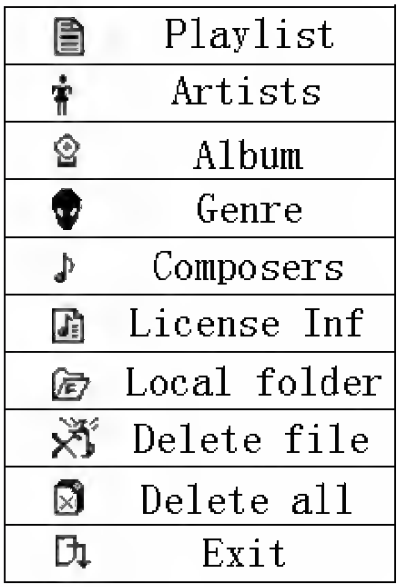
Long pressing the MODE key returns to the main menu.

2.4.1 MUSIC Folder Setup

After you access MUSIC folder setup, you see the following interface:



Play list:
It lists the files to play.
Artists:
It lists the artists.
Genre:
It lists the genres.
Composers:
It lists the composers:
License Inf:
It provides the license information.
Local folder:
Select this item and select the folder you want to access by pressing the NEXT/PREV key, and then press the MODE key to access it.
Delete file:
Select this item and press the ENTER key. Press the PREV/NEXT key to select YES, and then short press the MODE key to confirm your deletion.
Delete all:
This item is the same as Delete file, except that it deletes all the files instead of one file only. After the system deletes all the files, it returns to the MUSIC standby status.
Exit:
Select this item to exit the menu.

2.5 Lyrics Display

In the MUSIC playing status, the system automatically accesses the lyrics display interface if the current song has lyrics. The system continues to play the current song while displaying the appropriate lyrics according to the progress of the song. When the song is finished, the unit continues to play the subsequent song according to the play mode setting.

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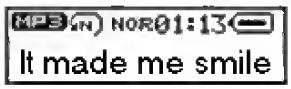
If the subsequent song has lyrics, the system still shows the lyrics display interface. If the song has no lyrics, the unit returns to the normal play interface.

2.5.1 Normal Playing Status

① Interface Description

Chinese lyrics: When a line of characters in the LRC file needs to be displayed on multiple screens, the synchronous time tag is calculated for each screen by averaging. Note: Every half Chinese character is placed in the next line.



English lyrics: It is treated in a similar way as Chinese lyrics. When a word needs to be displayed in two lines, the "-" hyphen is used to connect two lines. However, every two-letter words are placed in the next line.

② Functions of keys

Short pressing the PLAY key: pauses the playing of the song and accesses the lyrics pause interface

Long pressing the PLAY key: stops the playing of the song

Holding the PLAY key: accesses the power-off energy-saving mode

Short pressing the VOL key: accesses the volume control interface

Short pressing the MODE key: accesses MUSIC setup

Long pressing the MODE key: returns to the main menu

Short pressing the NEXT/PREV key: selects the next/previous song, and displays the lyrics interface, if there is any, or returns to the playing interface.

Holding the NEXT/PREV key: moving the next/previous song fast forward/backward

2.5.2 Playing Pause Status

In the lyrics pause status, the current song is paused, with the current playing progress retained, and the lyric on the current screen is also displayed.

① Interface Description

② Functions of keys

Short pressing the PLAY key: resumes the playing of the song

Long pressing the PLAY key: stops the playing of the music and enters the power-off energy-saving status

Short pressing the MODE key: accesses MUSIC setup

Long pressing the MODE key: returns to the main menu

Short pressing the VOL key: accesses the volume control interface

Pressing the NEXT/PREV key: selects the next/previous song

Long pressing the NEXT/PREV key: navigates through the next/previous songs

2.5.3 Lyrics Synchronization

The unit automatically searches for the LRC file of the same name in the folder of the current song.

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The total length of the lyric of one song should not exceed 100 screens.
The player supports *.LRC files to display the lyrics synchronously with the song. You can download lyrics from http://www.51lrc.com.
How to use LRC files?
Keep the name of a LRC file the same as that of the appropriate song file.
For example, for the song name of William Castle-Zhou Jielun.mp3, the corresponding LRC file name should be William Castle-Zhou Jielun.lrc.

2.6 Folder Function

- This unit supports eight levels of folders.
- The sequence of the folders is the sequence of the items in the root holder.
- No music files:
  If the unit finds no music files, it will indicate such to you.

2.7 HOLD Function

Using the HOLD function can prevent a malfunction of the player by accidentally pressing a wrong button. Move the HOLD switch on the side of the player to HOLD. A lock icon on the LCD panel is displayed for the setting. Move the switch to HOLD OFF and a lock icon on the display disappears, like this:

Note: If the machine is power off and locked, before you power on the machine, you should unlock it.

3. REC Mode

3.1 Interface Description

From the main menu, select **Record**. The following screen appears:

Short pressing the PLAY key: starts recording
Short pressing the MODE key: accesses REC setup
Long pressing the MODE key: returns to the main menu

Local folder: Select the folder you want to access.
REC type: Select the REC type you need. There are four options: Quality REC, Long-time REC, Quality Sound Control, and Long-time Sound Control.
Quality REC: wav format, good quality
Long-time REC: act format, ordinary quality
Quality sound control: wav format (sound control recording, where it will stop recording when there is no sound)
Long-time sound control: act format
Exit: Return to the REC standby interface.

3.2 REC Start Status

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① REC start
In the RED standby status, short press the PLAY key to start records, when the screen starts timing.
Short pressing the PLAY key: pauses recording
Long pressing the PLAY key: stops and saves recording
Long pressing the MODE key: saves the recording and returns to the main menu
② REC pause
Short pressing the PLAY key: continues recording
Long pressing the PLAY key: stops and saves recording
Long pressing the MODE key: saves the recording and returns to the main menu

3.3 Lower Power

In the recording status, if the power is low, the system will automatically save the current recording file, stops recording, and prompts accordingly. In this case, you should replace the battery.
Caution: If the battery in the Acer MP120 is in low power or no battery is in the unit for a long time, the Acer MP120 may fail to normally play the DRM songs again.

4. Voice Mode

4.1 Interface Description

Select **Voice** from the main menu and short press the MODE key to access the interface as shown below:

4.2 Stop Status

Short pressing the Play key: starts playing the file
Long pressing the PLAY key: accesses the power-off energy-saving status.
Short pressing the VOL key: accesses the volume control interface
Short pressing the MODE key: accesses REC play folder setup
Long pressing the MODE key: returns to the main menu
Short pressing the NEXT/PREV key: selects the next/previous file
Long pressing the NEXT/PREV key: navigates through the files forward/backward.
RED play folder setup:
Local folder:
Select this item and select the folder you want to access by pressing the NEXT/PREV key, and then press the ENTER key to access it.
Delete file:
In the MUSIC stop status, short press the MODE key to access the Delete sub-menu. Select Delete file and press the ENTER key. Press the PREV/NEXT key to select YES, and then short press the ENTER key to confirm your deletion.
Delete all:
This item is the same as Delete file, except that it deletes all the files instead of one file only. After the system deletes all the files, it returns to the MUSIC standby status.
Exit:

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Select this item to exit the menu.

4.3 REC Play Status

Short pressing the PLAY key: pauses playing
Long pressing the PLAY key: accesses the power-off energy-saving mode
Short pressing the VOL key: accesses the volume control interface
Short pressing the MODE key: accesses REC play setup
Long pressing the MODE key: returns to the main menu
Short pressing the NEXT/PREV key: selects the next/previous file
Long pressing the NEXT/PREV key: navigates through the files forward/backward.
REC play setup:
Repeat mode: It is same as that of MUSIC. For details, see MUSIC Repeat Mode Setup.
A-B mode: It is the same as MUSIC. For details, see MUSIC A-B Mode Setup.
Exit: Exits the playing interface.

4.4 REC Play Pause Status

Pressing the PLAY key: resumes playing the file
Long pressing the PLAY key: accesses the power-off energy-saving mode
Short pressing the MODE key: accesses REC play setup
Short pressing the VOL key: accesses the volume control interface
Long pressing the MODE key: returns to the main menu
Short pressing the NEXT/PREV key: selects the next/previous file
Long pressing the NEXT/PREV key: navigates through the files forward/backward

4.5 Abnormal Display of VOICE Mode

When no files are recorded or all the files have been deleted, this unit will prompt that no file exists.
When an invalid song is met, the system will indicate such to you.

5. FM Radio Mode (Optional)

Anytime long press the mode key to enter the main menu and select the FM Radio item from the Main menu, as the following graphic.

The device will enter the FM Radio Mode as the following graphic:

The "S" icon means stereo.
"02/20" means that the current channel if the first one of a total of 20 channels.
"87.8 MHZ" means the frequency of the current channel.

5.1 FM menu mode

In the FM Radio Mode, you can enter the FM menu by press the Mode key any time, and there are 8 items in the FM menu as the following:

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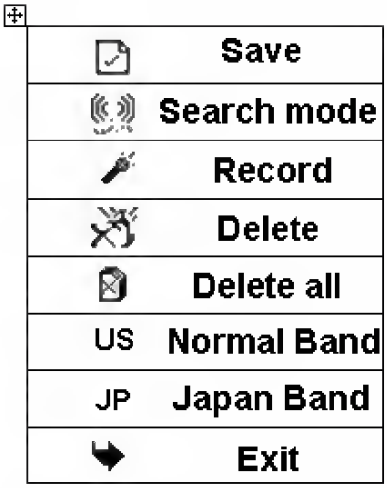

5.2 Save

When you search a good broadcast manual, you can save the broadcast by select this item and press the mode key to save it.
Notice that anytime when you save a broadcast it will add a station to the broadcast station list.

5.3 Search mode

When you select this item, you will enter a search mode selection submenu, where you can change the search mode as Auto Search, freq mode and station mode.

Search mode select

When you select the search mode in the FM menu and press mode key to confirm the selection you will enter the search mode submenu, there are 4 items in this submenu as the follow:

When you select this item and confirmed the machine will search the broadcast automatic, and it will store all the broadcast station it searched.

When you select this item it will enter a frequency search interface as the follow:

Notice that anytime when you enter the Freq Mode or when you are listening the radio, you can use the Next key or Prev key to change the frequency, when a broadcast is searched the icon

will appear to clew you to save the broadcast station. And if there is no broadcast is searched, the icon

will not appear.

As you want to save a broadcast station you should press the mode key to enter the FM menu mode and select the save item.
When you select this item it can only change the broadcast station directly by press Next or

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Prev key when you are listening radio.

This item is for exiting the search mode submenu.

5.4 Record

When you select this item, this unit records the current program of the channel as a recorded file.

5.5 Delete

When you select this item and press mode key to confirm, it will delete the selected broadcast station automatic.

5.6 Delete all

When you select this item and press mode key to confirm, it will delete all selected broadcast station you saved automatic.

5.7 Normal Band

When you select this item the frequency boundary is from 87 MHz to 108 MHz.

5.8 Japan Band

When you select this item the frequency boundary is from 76 MHz to 90 MHz.

5.9 Exit

This item is for exiting the Select Band submenu.
To exit the radio mode, please press the mode key to enter the main menu, and then select the music mode or voice mode.

6. System Setup

Select **System** from the main menu and press the MODE key to access the interface, as shown in the following diagram:

Short pressing the NEXT/PREV key: selects the next/previous work mode
Long pressing the NEXT/PREV key: navigates through the next/previous work modes
Short pressing the MODE button: accesses the selected mode
Long pressing the MODE key: returns to the main menu
Long pressing the PLAY key: accesses the power-off energy-saving mode

6.1 System Time

The system time is the recording time.

When you short press the VOL- key, the year starts flashing. Now, you can press the PREV/NEXT key to modify the year. Others can be modified in the same way.
Short press the MODE button to confirm your modification.

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6.2 On-line Preparation

Select USB on-line preparation and specify the unit to be a Media Device or USB Disk. After that, when you connect this unit as a USB device to your computer, it works as the type of device you have specified.

6.3 Backlight Time

In this mode, you can modify the backlight color.

After you access this item, short press the PREV/NEXT key to select the backlight color. Then short press the MODE key to confirm your modification and exit the menu at the same time.

6.4 Language Selection

In this mode, you can select the language used.

Simple Chinese
English
Trad Chinese
French
German
Italian
Dutch
Spanish

6.5 Power-off Setup

You can select automatic entry to the power-saving mode or sleep mode.

For the specific procedure, see Sound Effect Mode.

Note: When the sleep mode is set, it only functions once. Once the unit is turned off, the time setting is automatically cleared. To use this function again, you must make another setting.

6.6 Repeat Setup

You can select the manual mode or auto mode.

Where: "Manual mode" means that sentences cannot be broken during A-B repeat, and you can only set break point manually.

"Automatic mode" means that sentences can be broken during A-B repeat. (This function can be used to read English texts not accompanied by music)

For the specific procedure, see Sound Effect Mode.

6.7 Contrast Adjustment

In this mode, you can set the contrast.

For the specific procedure, see Sound Effect Mode.

6.8 On-line Mode

In this mode, you can set the mode of connection to a PC.

Multiple-disk: In this mode, all disk partitions are displayed on the PC.

Single common disk: In this mode, only the partitioned non-encrypted disk is displayed on the PC.

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Single encrypted disk: In this mode, only the partitioned encrypted disk is displayed on the PC.
After the setting, the selected disk is shown on the PC when the unit is connected to a PC.

6.9 Storage Information

The number indicates the total space of the disk, and the percentage indicates those already used against the total.

6.10 Firmware Version

You can view the current firmware version of the player.

6.11 Firmware Upgrade

This tool is used for update the firmware of your MP3 Player.

1. Open the Firmware update Tool.
2. Select a firmware file and Press the "begin upgrading" button, it will update your firmware automatic and it will show the update information clearly.

Note: *Please select the right firmware file to update, or else it will cause your machine damaged and you can't use it anyway.*

6.12 Exit

Select this item to return to the main menu.

IV FAQ

1 The player does not turn on:

- Check if the player has the batteries installed.
- Turn on your computer, connect the player to the USB port and turn on the player.
- If the above step does not resolve the problem, then do a "Firmware upgrade" and format the player, you can find and download the firmware from our website.

2 LCD display does not show anything:

- Press the Play/Pause button to turn on the player.
- If the above step does not resolve the problem, then do a "Firmware upgrade" and format the player.

3 For the Window 98 user – When PC doesn't recognize the player.

- If your operating system is Windows 98, please connect the player to the USB port of PC first and after it recognizes it as a new hardware, then install the driver.
- If your PC doesn't recognize the player, please repeat #1 step.
- If the above step does not resolve the problem, then run the "Firmware Download" program and format the player again.

4 When shall we change the battery?

- The icon for coulometer on the LCD is empty and blinking.
- The player powers off by itself while playing or powers off quickly when you turn on.

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V Product Specifications

The index parameter

Index	**Parameter specification**
Hard disk	IBM PC, compatible PC, notebook with USB interface
Interface	Universal Serial Bus 1.0/1.1 (USB 1.0/1.1)
Storage medium	Flash memory
Power	Supply by USB interface without connect power, when play songs, need 1xAAA
Transfer speed	Max. Writing: 1000KB/S, Max. Reading: 1000 KB/S
Operation System	Windows98/Me/2000/XP
Earphone Output	32 ohm earphone, 5mW output
Record Time	Max 30 hours,128M
Bit Rate Support	MPEG1 Layer1:32K-320K bps; MPEG1 Layer2: 32K-320K bps; MPEG1 Layer3:32K-320K bps; MPEG2 Layer3: 8K-320K bps; WMA 8K-320K bps, Support DRM10
FMRadio Frequency Support (optional)	Japan: 76 MHz-90 MHz Normal: 87 MHz-108 MHz
Capacity	64MB/128MB/256MB/512M/1GB/2GB
LCD Display	96×26 dots with 7 colors backlight
Operating Conditions	0ºC~ +40ºC
Common Conditions	-40ºC ~ +60ºC
Size	92mm x 28mm x 24.5mm
Life-span	Writing over one million times, reading doesn't influence the life; data can be stored over ten years
Driver	Installation only be needed under Windows98, other operation systems don't need to install, such as Windows Me, Windows 2000 and above

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